



TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2018-01-20-08
Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address : Dasarahalli Sub Division, BBMP, Bangalore.
Project Name : Improvements to roads and drains at Kataraya Nagara in Ward No.14 Bangalagunte.
Agency : Technical Manager West, KRIDL, Project Implementation Unit, No.280, 59th cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.
Customer's Reference : BBMP/EE/DD/WO/78/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 20-01-18
Sample ID No : 2018-01-20-08 /01
Customer ID : Drain Concrete
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M20 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date: 27/01/2018

Date of test : 27/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Drain Concrete	M20	20/01/2018	27/01/2018	150.22 X 150.29 X 150.32	22577	8.315	388.3	17.2	17.5
2	Drain Concrete	M20	20/01/2018	27/01/2018	150.30 X 150.25 X 150.28	22583	8.341	392.9	17.4	
3	Drain Concrete	M20	20/01/2018	27/01/2018	150.23 X 150.26 X 150.30	22574	8.323	404.1	17.9	

Note:

The results pertain to the samples received and tested.
 All information furnished by Customer/Representative
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Authorized Signatory
Quality Manager

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ಬಿ.ರಾಜಕುಮಾರ್, ಮಹಾ-ವಿಭಾಗ
ಮಾಹಿತಿಗುಂಟು, ದಿವಾನ್

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
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Agency : Technical Manager West, KRIDL, Project Implementation Unit, No.280, 59th cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010
Customer's Reference : BBMP/EE/DD/WO/78/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 20-01-18
Sample ID No : 2018-01-20-08 /02
Customer ID : Drain Concrete
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M20 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 17/02/2018

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	Drain Concrete	M20	20/01/2018	17/02/2018	151.00 X 150.24 X 150.47	22686	8.147	539.9	23.8	23.0
2	Drain Concrete	M20	20/01/2018	17/02/2018	149.87 X 150.66 X 150.47	22579	8.165	505.8	22.4	
3	Drain Concrete	M20	20/01/2018	17/02/2018	150.14 X 150.98 X 151.36	22668	8.174	516.8	22.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2018-01-27-01

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to roads and drains at Kataraya Nagara in Ward No.14 Bangalagunte.

Agency : Technical Manager West, KRIDL, Project Implementation Unit, No.280, 59th cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.

Customer's Reference : BBMP/EE/DD/WO/78/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 27-01-18

Sample ID No : 2018-01-27-01 /01

Customer ID : C C Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete C1.5

Date of test : 30/01/2018

Date: 30/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	C C Pavement	M30	23/01/2018	30/01/2018	151.21 X 150.11 X 150.34	22698	8.222	583.3	25.7	25.7
2	C C Pavement	M30	23/01/2018	30/01/2018	150.26 X 150.32 X 150.11	22587	8.297	573.7	25.4	
3	C C Pavement	M30	23/01/2018	30/01/2018	150.54 X 149.11 X 151.76	22447	8.243	581.4	25.9	

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Certificate No. 10-1548-1

Format No. CP/TF/01

Date: 20/02/2018

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-01-27-01
Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore
Address : Dasarahalli Sub Division, BBMP, Bangalore.
Project Name : Improvements to roads and drains at Kataraya Nagara in Ward No.14 Bangalagunte
Agency : Technical Manager West, KRIDL, Project Implementation Unit, No.280, 59th cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010
Customer's Reference : BBMP/EE/DD/WO/78/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 27-01-18
Sample ID No : 2018-01-27-01 /02
Customer ID : C C Pavement
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 20/02/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	C C Pavement	M30	23/01/2018	20/02/2018	149.22 X 150.54 X 149.22	22464	8.265	745.8	33.2	32.8
2	C C Pavement	M30	23/01/2018	20/02/2018	150.65 X 150.34 X 151.32	22649	8.252	736.1	32.5	
3	C C Pavement	M30	23/01/2018	20/02/2018	151.88 X 150.15 X 150.11	22805	8.249	745.7	32.7	

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Form No. CP/TS/01

Date: 30/01/2018

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-01-27-01
Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address : Dasarahalli Sub Division, BBMP, Bangalore.
Project Name : Improvements to roads and drains at Kataraya Nagara in Ward No.14 Bangalore.
Agency : Technical Manager West, KRIDL, Project Implementation Unit, No.285, 59th cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.
Customer's Reference : BBMP/EE/DD/WO/78/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 27-01-18
Sample ID No : 2018-01-27-01 /03
Customer ID : C C Pavement
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete CL5
Date of test : 30/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	C C Pavement	M30	23/01/2018	30/01/2018	149.63 X 151.24 X 150.44	22630	8.192	590.6	26.1	25.7
2	C C Pavement	M30	23/01/2018	30/01/2018	150.36 X 150.44 X 150.47	22620	8.264	574.6	25.4	
3	C C Pavement	M30	23/01/2018	30/01/2018	150.22 X 150.48 X 150.66	22605	8.156	581.0	25.7	

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TEST RESULTS OF STEEL

Format No: CP/TF/01

Lab ID : CP-2018-01-10-09
Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address : Dasarahalli Sub Division, BBMP, Bangalore.
Project Name : Improvements to roads and drains at Kataraya Nagara in Ward No.14
Agency : Technical Manager West, KRIDL, Project Implementation Unit, No.280, 59th cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.
Customer's Reference : BBMP/EE/DD/WO/78/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 10-01-18
Sample ID No : 2018-01-10-09 /04
Sample Type : Sunvik
Reference to BIS codes : IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test: : 11-01-18

SL.No	Identification of sample	Grade of the sample	Diameter of the steel bar (mm)	Weight of the sample (kg/m)	Yield stress (N/mm ²)	Tensile strength (N/mm ²)	Elongation (%)	Bend test	Rebend test
1	Sunvik	Fe500	8	0.392	547	655	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.612	565	676	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.885	582	692	20.0%	Satisfactory	Satisfactory

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Format No. CPT/19/04

Lab ID	:	CP-2018-01-10-09	ER SLAB	Date: 15-01-18
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.		
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.		
Project Name	:	Improvements to roads and drains at Kataraya Nagara in Ward No.14 Bengalagunte.		
Agency	:	Technical Manager West, KRIDL, Project Implementation Unit, No.280, 59th cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.		
Customer's Reference	:	BBMP/EE/DD/WO/78/2017-18		
Source of Sample	:	Sample supplied by Agency		
Sample Condition	:	Satisfactory		
Date of Receipt	:	10-01-18		
Sample ID No	:	2018-01-10-09 /05		
Sample Type /Size	:	Precast Cover Slab		
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete		
Date of test	:	11/01/2018		

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm ²)	(N/mm ²)	(N/mm ²)
1	Cover Slab-1	75.48	100.48	1.384	4474	79.9	17.9	16.6	20.8
2	Cover Slab-2	75.51	100.49	1.379	4477	78.4	17.5	16.3	20.4
3	Cover Slab-3	75.50	100.51	1.375	4476	77.8	17.4	16.2	20.2

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 ಬಿ.ದಾಸರವಳ್ಳಿ, ಶಾಖೆ-ವಿಭಾಗ
 ಬಾಗಲಗುಂಟೆ, ಬಿಜಿಎಂಒ

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